



division of

Community Health Services

Manitoba
Health



MATERNAL AND CHILD CARE

VITAL STATISTICS

13TH UPDATE

1987 MANITOBA VITAL STATISTICS

MANITOBA HEALTH

MATERNAL AND CHILD HEALTH DIRECTORATE

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Health

Maternal and Child Health

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TO RECIPIENTS OF MATERNAL AND CHILD CARE 13TH UPDATE
1987 MANITOBA VITAL STATISTICS

This thirteenth update of the Maternal and Child Care Report employs 1987 Vital Statistics for Manitoba Regions and Winnipeg Districts and June 1, 1987 Manitoba Health Services Commission figures for regional populations.

Requests for copies or information of past or current reports should be forwarded to the Maternal and Child Health Directorate.

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GLOSSARY OF TERMS AND DEFINITIONS

A. Symbols

N/A Not Available
r Revised

- Zero Activity
* Refer to Footnote(s)

B. Definitions

1. Age - Completed age in years, months and days.

2. Population

- a) Manitoba - based on Manitoba Health Services Commission (MHSC) population reports. Regional populations are by region of residence.
- b) Canada - Based on Statistics Canada population data.

3. Births

- a) Live Births - Infants born alive excluding stillbirths.
- b) Stillbirths - Fetal deaths of 20 (or 28) or more weeks gestation.
- c) Total Births - Live births plus stillbirths.

4. Birthrates

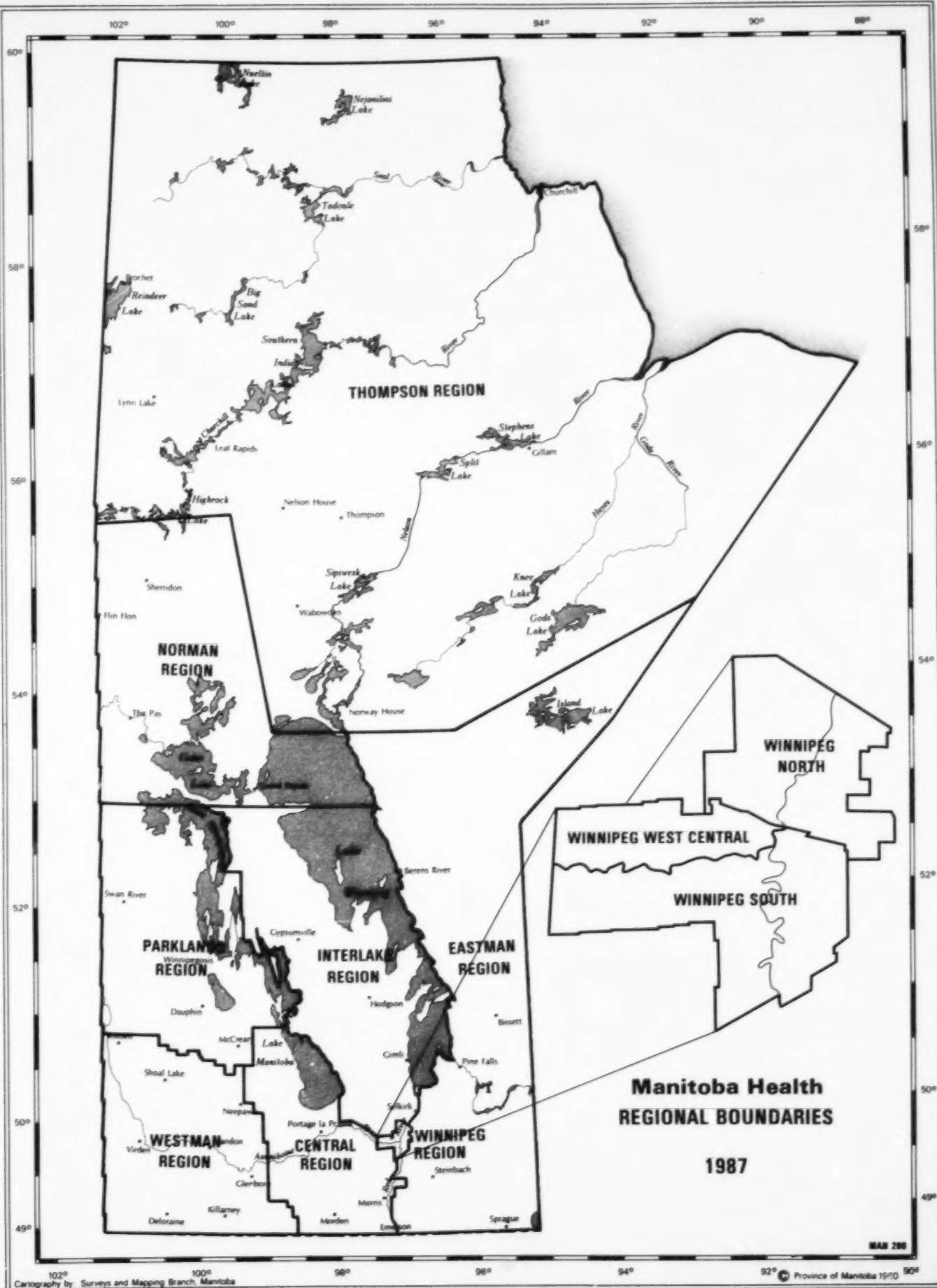
- a) Live Births - Infants born alive, excluding stillbirths, per 1,000 population.
- b) Stillbirth Ratio - Fetal deaths of 20 (or 28) or more weeks gestation per 1,000 live births.

5. Deaths

- a) Infant - Infant deaths under 1 year of age, excluding stillbirths.
- b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium.
- c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths.
- d) Newborn - Infant deaths from birth to less than 7 days of age.
- e) Perinatal - Fetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age.
- f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age.

6. Death Rates
 - a) Infant - Infant deaths under 1 year of age, excluding stillbirths, per 1,000 live births.
 - b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium per 10,000 live births.
 - c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.
 - d) Newborn - Infant deaths from birth to less than 7 days of age per 1,000 live births.
 - e) Perinatal - Fetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age, per 1,000 total births.
 - f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age, per 1,000 live births.
7. General Fertility Rate - Live births per 1,000 females between ages 15-49.
8. Parity - The number of total births (current birth plus previous births) that a particular mother has had. This includes live births and stillbirths.
9. Region of Residence - Usual residence of mother as recorded on the registration of live birth.
10. Indian Reserve* - A tract of land the legal title to which is vested in the Crown, that has been set apart by the Crown for the use and benefit of an Indian band.
11. Unorganized Territory* - Any territory in Manitoba which is not under the jurisdiction of any legal government that has taxing authority.
12. Non-Resident - Not a resident of Manitoba.

* Vital events for these categories are not necessarily complete. The usual residence of the mother may not be accurately documented, e.g. a Winnipeg address may be used by a Status Indian from a reserve at the time of birth notification, if she was 'boarding' with relatives/friends in the city prior to delivery.



I-1A

MANITOBA POPULATION

BY HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	89,409	90,045	90,372	90,678	91,115
EASTMAN	69,665	70,911	71,963	73,217	74,658
INTERLAKE	61,462	62,154	62,663	63,722	64,981
NORMAN	21,543	21,183	21,109	20,619	20,242
PARKLAND	45,001	44,704	44,430	43,828	43,176
THOMPSON	20,615	20,635	20,750	20,622	20,027
WESTMAN	118,105	118,760	118,558	117,885	117,515
WINNIPEG	603,536	610,391	617,599	622,150	625,342
INDIAN RES	47,613	48,636	49,993	51,439	52,800
UNORGANIZED TERRITORIES	11,340	11,344	11,323	11,425	11,272
TOTAL	1,088,289	1,098,763	1,108,760	1,115,585	1,121,128

SOURCE: Manitoba Health Services Commission population records (June 1).

I-1B

MANITOBA POPULATION

BY HEALTH & COMMUNITY SERVICES REGION 1983-1987

(INDIAN RES. & UNORGANIZED TERRITORY POPULATION
ALLOCATED TO REGION)

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	93,292	94,021	94,471	94,930	95,475
EASTMAN	84,078	85,438	86,756	88,221	90,041
INTERLAKE	69,490	70,299	70,981	72,222	73,630
NORMAN	25,947	25,819	25,847	25,450	25,092
PARKLAND	51,096	50,846	50,622	50,084	49,417
THOMPSON	39,646	40,018	40,705	41,380	41,290
WESTMAN	121,204	121,931	121,779	121,148	120,841
WINNIPEG	603,536	610,391	617,599	622,150	625,342
TOTAL	1,088,289	1,098,763	1,108,760	1,115,585	1,121,128

SOURCE: Manitoba Health Services Commission population records (June 1).

WINNIPEG POPULATION

BY SUB-REGIONAL RESIDENCE AREAS 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>WPG. REGION</u>					
FT. GARRY	43,271	43,969	45,446	46,211	47,127
EAST & NORTH KILDONAN	67,283	68,273	68,936	69,038	69,103
OLD & WEST KILDONAN	42,177	43,170	44,396	45,257	45,775
ST. BONIFACE	44,044	44,018	43,849	43,871	43,959
ST. JAMES- ASSINIBOIA	81,861	82, 829	83,585	84,065	83,949
EAST ST. PAUL	3,262	3,309	3,416	3,652	3,830
WEST ST. PAUL	2,514	2,455	2,451	2,391	2,388
ST. VITAL	47,945	49,245	51,078	52,343	53,754
TRANSCONA	28,222	28,651	29,179	30,393	31,812
INNER CITY***	242,957	244,472	245,263	244,929	243,645
TOTAL	603,536	610,391	617,599	622,150	625,342

SOURCE: Manitoba Health Services Commission population records (June 1).

*** Winnipeg, Inner City, includes Charleswood and Tuxedo.

IV-1A-1

FEMALES BETWEEN 15-49

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	20,688	20,852	20,980	21,128	21,277
EASTMAN	17,008	17,303	17,682	18,012	18,394
INTERLAKE	14,692	14,885	15,024	15,343	15,778
NORMAN	5,535	5,465	5,486	5,393	5,255
PARKLAND	9,486	9,446	9,340	9,197	8,155
THOMPSON	5,825	5,912	5,946	6,009	5,887
WESTMAN	27,284	27,563	27,529	27,408	27,371
WINNIPEG	162,959	165,383	167,871	169,529	170,805
I.R. & U.T.	14,110	14,607	15,095	15,690	17,029
TOTAL	277,587	281,416	284,953	287,709	289,951

SOURCE: Manitoba Health Services Commission population records (June 1).

IV-1A-2

FEMALES BETWEEN 15-49

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

(INDIAN RES. & UNORGANIZED TERRITORY POPULATION
ALLOCATED TO REGION)

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	21,623	21,832	21,983	22,196	22,400
EASTMAN	20,401	20,778	21,228	21,633	22,135
INTERLAKE	16,709	16,982	17,195	17,615	18,117
NORMAN	6,584	6,607	6,682	6,620	6,499
PARKLAND	10,897	10,903	10,834	10,740	10,590
THOMPSON	10,333	10,547	10,795	11,110	11,165
WESTMAN	28,081	28,384	28,365	28,266	28,240
WINNIPEG	162,959	165,383	167,871	169,529	170,805
TOTAL	277,587	281,416	284,953	287,709	289,951

SOURCE: Manitoba Health Services Commission population records (June 1).

IV-1B-1

TOTAL BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	1,495	1,539	1,578	1,555	1,517
EASTMAN	1,168	1,077	1,181	1,157	1,120
INTERLAKE	851	863	845	904	823
NORMAN	423	382	379	359	329
PARKLAND	529	573	531	505	518
THOMPSON	462	476	485	457	421
WESTMAN	1,708	1,795	1,711	1,706	1,710
WINNIPEG	8,595	8,640	8,935	9,007	9,117
I.R. & U.T.	1,377	1,337	1,463	1,352	1,407
MANITOBA TOTAL	16,608	16,682	17,108	17,002	16,962
NON-RESIDENT	549	563	528	622	595
TOTAL	17,157	17,245	17,636	17,624	17,557

SOURCE: Manitoba Vital Statistics registrations.

* Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

IV-1C-1

LIVE BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	1,481	1,525	1,571	1,546	1,507
EASTMAN	1,165	1,076	1,176	1,151	1,120
INTERLAKE	848	859	840	897	816
NORMAN	419	379	376	358	326
PARKLAND	526	564	526	504	514
THOMPSON	460	475	481	455	417
WESTMAN	1,697	1,780	1,704	1,696	1,699
WINNIPEG	8,537	8,575	8,876	8,964	9,058
I.R. & U.T.	1,366	1,331	1,445	1,336	1,390
MANITOBA TOTAL	16,499	16,564	16,995	16,907	16,847
NON-RESIDENT	537	552	518	614	591
TOTAL	17,036	17,116	17,513	17,521	17,438

SOURCE: Manitoba Vital Statistics registrations.

* Infants born alive, excluding stillbirths.

GENERAL FERTILITY RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	71.6	73.1	74.9	73.2	70.8
EASTMAN	68.5	62.2	66.5	63.9	60.9
INTERLAKE	57.7	57.7	55.9	58.5	51.7
NORMAN	75.7	69.4	68.5	66.4	62.4
PARKLAND	55.5	59.7	56.3	54.8	63.0
THOMPSON	79.0	80.3	80.9	75.7	70.8
WESTMAN	62.2	64.6	61.9	61.9	62.1
WINNIPEG	52.4	51.8	52.9	52.9	53.0
I.R. & U.T.	96.8	91.1	95.7	85.1	81.6
MANITOBA TOTAL	59.4	58.9	59.6	58.7	58.1
CANADA	55.9	55.9	55.1	54.7	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations. Manitoba Health Services population records.

* General fertility rate is defined as live births per 1,000 females between ages 15-49.

NOTE: Because of the size of Winnipeg's population, the effects of trends in other numerically smaller regions are not likely to influence the summary figure cited for the province.

INFANT DEATHS

IV-2A

INFANT DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	19	14	19	14	2
EASTMAN	14	8	9	9	8
INTERLAKE	5	5	9	4	5
NORMAN	6	3	3	4	2
PARKLAND	3	3	3	3	3
THOMPSON	6	3	7	3	2
WESTMAN	17	13	8	14	19
WINNIPEG	81	65	76	79	71
I.R. & U.T.	22	25	28	18	25
MANITOBA TOTAL	173	139	162	148	137
NON-RESIDENT	16	10	22	17	14
TOTAL	189	149	184	165	151

SOURCE: Manitoba Vital Statistics registrations.

* Infant deaths are defined as deaths under 1 year of age, excluding stillbirths.

NOTE: Infant deaths were uniformly up for all but one region in 1983. When perinatal losses are adjusted to compensate for an increase in lethal congenital anomalies, the rise in infant deaths has primarily occurred in the post-neonatal period.

IV-2B

INFANT DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	12.8	9.2	12.1	9.1	**
EASTMAN	12.0	7.4	7.7	7.8	7.1
INTERLAKE	5.9	5.8	10.7	4.5	6.1
NORMAN 14.3	14.3	7.9	8.0	11.2	**
PARKLAND	5.7	5.3	5.7	6.0	5.8
THOMPSON	13.0	6.3	14.6	6.6	**
WESTMAN	10.0	7.3	4.7	8.3	11.2
WINNIPEG	9.5	7.6	8.6	8.8	7.8
I.R. & U.T.	16.1	18.8	19.4	13.5	18.0
MANITOBA TOTAL	10.5	8.4	9.5	8.8	8.1
NON-RESIDENT	29.8	18.1	42.5	27.7	23.7
TOTAL	11.1	8.7	10.5	9.4	8.7
CANADA	8.5	8.1	7.9	7.9	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986.
Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Infant death rate is defined as deaths under 1 year of age, excluding stillbirths per 1,000 live births.

** Not calculated due to low incidence.

IV-3A

NEWBORN DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	12	7	11	10	-
EASTMAN	9	6	2	8	4
INTERLAKE	2	4	8	4	4
NORMAN	3	2	2	1	1
PARKLAND	2	2	2	-	3
THOMPSON	1	1	3	-	-
WESTMAN	13	9	5	9	15
WINNIPEG	49	31	43	48	37
I.R. & U.T.	12	12	9	9	12
MANITOBA TOTAL	103	74	85	89	76
NON-RESIDENT	7	7	15	9	7
TOTAL	110	81	100	98	83

SOURCE: Manitoba Vital Statistics registrations.

* Newborn deaths are defined as infant deaths from birth to less than 7 days of age.

IV-3B

NEWBORN DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	8.1	4.6	7.0	6.5	-
EASTMAN	7.7	5.6	**	7.0	3.6
INTERLAKE	**	4.7	9.5	4.5	4.9
NORMAN 7.2	7.2	**	**	**	**
PARKLAND	**	**	**	-	5.8
THOMPSON	**	**	6.2	-	-
WESTMAN	7.7	5.1	2.9	5.3	8.8
WINNIPEG	5.7	3.6	4.8	5.4	4.1
I.R. & U.T.	8.8	9.0	6.2	6.7	8.6
MANITOBA TOTAL	6.2	4.5	5.0	5.3	4.5
NON-RESIDENT	13.0	12.7	29.0	14.7	11.8
TOTAL	6.5	4.7	5.7	5.6	5.2
CANADA	4.7	4.3	4.4	4.2	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Newborn death rate is defined as infant deaths from birth to less than 7 days of age per 1,000 live births.

** Not calculated due to low incidence.

IV-4A

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	26	21	18	19	10
EASTMAN	12	7	7	14	4
INTERLAKE	5	8	13	11	11
NORMAN	7	5	5	2	4
PARKLAND	5	11	7	1	7
THOMPSON	3	2	7	2	4
WESTMAN	24	24	12	19	26
WINNIPEG	107	96	102	91	96
I.R. & U.T.	23	18	27	25	29
MANITOBA TOTAL	212	192	198	184	191
NON-RESIDENT	19	18	25	17	11
TOTAL	231	210	223	201	202

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

NOTE: The College of Physicians and Surgeons of Manitoba use a definition of more than 500 gm to 7 days for perinatal death. This may account for any discrepancies between the two sets of figures.

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	17.4	13.6	11.4	12.2	6.6
EASTMAN	10.3	6.5	5.9	12.1	3.6
INTERLAKE	5.9	9.3	15.4	12.2	13.4
NORMAN	16.5	13.1	13.2	**	12.2
PARKLAND	9.5	19.2	13.2	**	13.5
THOMPSON	6.5	**	14.4	**	9.5
WESTMAN	14.1	13.4	7.0	11.1	15.2
WINNIPEG	12.4	11.1	11.4	10.1	10.5
I.R. & U.T.	16.7	13.5	18.5	18.5	20.6
MANITOBA TOTAL	12.8	11.5	11.6	10.8	11.3
NON-RESIDENT	34.6	32.0	47.3	27.3	18.5
TOTAL	13.5	12.2	12.6	11.4	11.5

SOURCE: Manitoba Vital Statistics registrations.

- * Perinatal death rate is defined as the total of fetal deaths of 20 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.

Total births are live births plus stillbirths of 20 or more weeks gestation.

** Not calculated due to low incidence.

IV-4C

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	18	17	17	17	8
EASTMAN	12	7	5	14	4
INTERLAKE	5	7	10	9	9
NORMAN	6	4	4	1	3
PARKLAND	5	10	5	-	5
THOMPSON	3	2	7	2	2
WESTMAN	22	21	10	17	21
WINNIPEG	93	75	82	71	73
I.R. & U.T.	21	17	24	18	27
MANITOBA TOTAL	185	160	164	149	152
NON-RESIDENT	16	14	23	17	11
TOTAL	201	174	187	166	163

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

NOTE: The College of Physicians and Surgeons of Manitoba use a definition of more than 1000 gm to 7 days for perinatal death. This may account for any discrepancies between the two sets of figures.

IV-4D

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	12.0	11.0	10.7	10.9	5.3
EASTMAN	10.3	6.5	4.2	12.1	3.6
INTERLAKE	5.9	8.1	11.8	10.0	10.9
NORMAN	14.2	10.5	10.5	**	9.1
PARKLAND	9.5	17.5	9.4	-	9.7
THOMPSON	6.5	**	14.3	**	**
WESTMAN	12.9	11.7	5.8	10.0	12.3
WINNIPEG	10.8	8.7	9.2	7.9	8.0
I.R. & U.T.	15.3	12.7	16.2	13.4	19.2
MANITOBA TOTAL	11.1	9.6	9.5	8.8	9.0
NON-RESIDENT	29.1	24.9	42.9	27.3	18.5
TOTAL	11.7	10.1	10.6	9.4	9.3
CANADA	9.5	8.7	8.7	8.4	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

- * Perinatal death rate is defined as the total of fetal deaths of 28 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.

Total births are live births plus stillbirths of 28 or more weeks gestation.

** Not calculated due to low incidence.

IV-4E

STILLBIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	14	14	7	9	10
EASTMAN	3	1	5	6	-
INTERLAKE	3	4	5	7	7
NORMAN	4	3	3	1	3
PARKLAND	3	9	5	1	4
THOMPSON	2	1	4	2	4
WESTMAN	11	15	7	10	11
WINNIPEG	58	65	59	43	59
I.R. & U.T.	11	6	18	16	17
MANITOBA TOTAL	109	118	113	95	115
NON-RESIDENT	12	11	10	8	4
TOTAL	121	129	123	103	119

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

NOTE: The College of Physicians and Surgeons of Manitoba use a definition of more than 500 gm for stillbirth. This may account for any discrepancies between the two sets of figures.

IV-4F

STILLBIRTH RATIO*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	9.5	9.2	4.5	5.8	6.6
EASTMAN	2.3	**	4.3	5.2	-
INTERLAKE	3.5	4.7	6.0	7.7	8.6
NORMAN	9.5	7.9	8.0	**	9.2
PARKLAND	5.7	16.0	9.5	**	7.8
THOMPSON	**	**	8.3	**	9.6
WESTMAN	6.5	8.4	4.1	5.9	6.5
WINNIPEG	6.8	7.6	6.6	4.8	6.5
I.R. & U.T.	8.1	4.5	12.5	12.0	12.2
MANITOBA TOTAL	6.6	7.1	6.6	5.6	6.8
NON-RESIDENT	22.3	19.9	19.3	13.0	6.8
TOTAL	7.1	7.5	7.0	5.9	6.8
CANADA	6.9	6.2	6.3	N/A	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985.
Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth ratio is defined as the number of fetal deaths of 20 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

IV-4G

STILLBIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	6	10	6	7	8
EASTMAN	3	1	3	6	-
INTERLAKE	3	3	2	5	5
NORMAN	3	2	2	-	2
PARKLAND	3	8	3	-	2
THOMPSON	2	1	4	2	2
WESTMAN	9	12	5	8	6
WINNIPEG	44	44	39	23	36
I.R. & U.T.	9	5	15	9	15
MANITOBA TOTAL	82	86	79	60	76
NON-RESIDENT	9	7	8	8	4
TOTAL	91	93	87	68	80

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 28 or more weeks gestation.

NOTE: The College of Physicians and Surgeons of Manitoba use a definition of more than 1000 gm for stillbirths. This may account for any discrepancies between the two sets of figures.

IV-4H

STILLBIRTH RATIO*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	4.1	6.6	3.8	4.5	5.3
EASTMAN	2.6	**	2.6	5.2	-
INTERLAKE	3.5	3.5	**	5.6	6.1
NORMAN	7.2	**	**	-	**
PARKLAND	5.7	14.2	5.7	-	**
THOMPSON	**	**	8.3	**	**
WESTMAN	5.3	6.7	2.9	4.7	3.5
WINNIPEG	5.2	5.1	4.4	2.6	4.0
I.R. & U.T.	6.6	3.8	10.4	6.7	10.8
MANITOBA TOTAL	5.0	5.2	4.6	3.5	4.5
NON-RESIDENT	16.8	12.7	15.4	13.0	6.8
TOTAL	5.3	5.4	5.0	3.9	4.6
CANADA	4.9	4.4	4.3	4.3	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume III, Deaths (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth ratio is defined as number of fetal deaths of 28 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

IV-5A

NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	12	7	12	10	-
EASTMAN	11	6	4	8	5
INTERLAKE	2	4	8	4	4
NORMAN	4	2	3	-	1
PARKLAND	3	3	2	1	3
THOMPSON	1	1	5	1	-
WESTMAN	14	9	6	9	17
WINNIPEG	56	38	54	57	49
I.R. & U.T.	12	14	13	9	13
MANITOBA TOTAL	115	84	107	99	92
NON-RESIDENT	11	8	18	11	8
TOTAL	126	92	125	110	100

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

IV-5B

NEONATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	8.1	4.6	7.6	6.5	-
EASTMAN	9.4	5.6	3.4	7.0	4.5
INTERLAKE	**	4.7	9.5	4.5	4.9
NORMAN	9.5	**	8.0	-	**
PARKLAND	5.7	5.3	**	**	5.8
THOMPSON	**	**	10.4	**	-
WESTMAN	8.2	5.1	3.5	5.3	10.0
WINNIPEG	6.6	4.4	6.1	6.4	5.4
I.R. & U.T.	8.8	10.5	9.0	6.7	9.4
MANITOBA TOTAL	7.0	5.1	6.3	5.9	5.5
NON-RESIDENT	20.5	14.5	34.7	17.9	13.5
TOTAL	7.4	5.4	7.1	6.3	5.7
CANADA	5.5	5.2	5.2	5.1	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Neonatal death rate is defined as number of infant deaths of under 28 days of age, excluding stillbirths, per 1,000 live births.

** Not calculated due to low incidence.

IV-6A

POST-NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	7	7	7	4	2
EASTMAN	3	2	5	1	3
INTERLAKE	3	1	1	-	1
NORMAN	2	1	-	3	1
PARKLAND	-	-	1	2	-
THOMPSON	5	2	2	3	2
WESTMAN	3	4	2	5	2
WINNIPEG	25	27	22	22	22
I.R. & U.T.	10	11	15	9	12
MANITOBA TOTAL	58	55	55	49	45
NON-RESIDENT	5	2	4	6	6
TOTAL	63	57	59	55	51

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

IV-6B

POST-NEONATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	4.7	4.6	4.5	2.6	**
EASTMAN	2.6	**	4.3	**	2.7
INTERLAKE	3.5	**	**	-	**
NORMAN	**	**	-	8.4	**
PARKLAND	-	-	**	**	-
THOMPSON	10.9	**	**	6.6	**
WESTMAN	1.8	2.2	**	2.9	**
WINNIPEG	2.9	3.1	2.5	2.5	2.4
I.R. & U.T.	7.3	8.3	10.4	6.7	8.6
MANITOBA TOTAL	3.5	3.3	3.2	2.9	2.7
NON-RESIDENT	9.3	**	7.7	9.8	10.2
TOTAL	3.7	3.3	3.4	3.1	2.9
CANADA	3.0	3.0	2.7	2.8	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1983, 1984, 1985, 1986. Volume I, Births and Deaths (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Post-neonatal death rate is defined as the number of infant deaths from 28 days to under 1 year of age per 1,000 live births.

** Not calculated due to low incidence.

IV-7A

MATERNAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983-1987

<u>YEAR</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>REGION</u>					
CENTRAL	-	-	-	-	-
EASTMAN	-	-	-	-	-
INTERLAKE	-	-	-	-	-
NORMAN	-	-	-	-	-
PARKLAND	-	-	-	-	-
THOMPSON	-	-	-	-	-
WESTMAN	-	-	-	-	-
WINNIPEG	-	-	1	-	-
I.R. & U.T.	-	-	-	-	-
MANITOBA TOTAL	-	-	-	-	-
NON-RESIDENT	-	-	-	-	-
TOTAL	-	-	1	-	-

SOURCE: Manitoba Vital Statistics registrations.

* Maternal deaths are defined as deaths due to delivery and complications of pregnancy, childbirth, and the puerperium.

NOTE: Table IV-7B Maternal Death Rates has not been calculated due to low incidence of maternal deaths.

DEATHS UNDER ONE YEAR OF AGE

IV-8A

DEATHS UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

MORTALITY GROUP REGION	POST-NEONATAL MORTALITY					
	STILLBIRTH*	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	10	-	-	-	-	2
EASTMAN	-	4	-	-	1	3
INTERLAKE	7	3	1	-	-	1
NORMAN	3	1	-	-	-	1
PARKLAND	4	1	1	1	-	-
THOMPSON	4	-	-	-	-	2
WESTMAN	11	12	2	1	2	2
WINNIPEG	59	24	10	3	12	22
I.R. & U.T.	17	9	1	2	1	12

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

NOTE: The College of Physicians and Surgeons of Manitoba use a definition of more than 500 gm for stillbirth and a definition of more than 500 gm to 7 days for perinatal death. This may account for any discrepancies between the two sets of figures.

IV-8B

DEATH RATES* UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

MORTALITY GROUP REGION						POST-NEONATAL MORTALITY
	STILLBIRTH*	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	6.6	-	-	-	-	**
EASTMAN	-	3.6	-	-	**	2.7
INTERLAKE	8.6	3.7	**	-	-	**
NORMAN	9.2	**	-	-	-	**
PARKLAND	7.8	**	**	**	-	-
THOMPSON	9.6	-	-	-	-	**
WESTMAN	6.5	7.1	**	**	**	**
WINNIPEG	6.5	2.6	1.1	0.3	1.3	2.4
I.R. & U.T.	12.2	6.5	**	**	**	8.6

SOURCE: Manitoba Vital Statistics registrations.

* All death rates are defined as the number per 1,000 live births. Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

** Not calculated due to low incidence.

*** Non-residents excluded from calculation.

NEONATAL DEATHS*

BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICE REGION 1987

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SUDDEN INFANT DEATH	OTHER PERINATAL CAUSES	OTHER(2) CAUSES	REGIONAL TOTAL
CENTRAL	-	-	-	-	-	-	-	-	-	-
EASTMAN	-	2	-	1	-	-	-	-	2	5
INTERLAKE	-	3	-	1	-	-	-	-	-	4
NORMAN	-	-	-	1	-	-	-	-	-	1
PARKLAND	-	2	-	1	-	-	-	-	-	3
THOMPSON	-	-	-	-	-	-	-	-	-	-
WESTMAN	-	4	3	6	-	-	-	3	1	17
WINNIPEG	-	18	4	11	-	-	-	6	10	49
I.R. & U.T.	-	-	3	4	-	-	-	3	3	13
MANITOBA TOTAL	-	29	10	25	-	-	-	12	16	92
OTHER	-	4	-	2	-	-	-	-	2	8
TOTAL	-	33	10	27	-	-	-	12	18	100

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Sudden Infant Death (798.0); Other Perinatal Causes (760, 761, 762).

(2) Other causes include deaths from all causes not listed above. For example, deaths from injuries, infections and ill-defined symptoms would be coded here.

IV-9B
NEONATAL DEATH RATES*
BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SUDDEN INFANT DEATH	OTHER PERINATAL CAUSES	OTHER(2) CAUSES	REGIONAL TOTAL
CENTRAL--	-	-	-	-	-	-	-	-	-	-
EASTMAN	-	**	-	**	-	-	-	-	**	44.6
INTERLAKE	-	36.8	-	**	-	-	-	-	-	49.0
NORMAN	-	-	-	**	-	-	-	-	-	**
PARKLAND	-	**	-	**	-	-	-	-	-	58.4
THOMPSON	-	-	-	-	-	-	-	-	-	-
WESTMAN	-	23.5	17.7	35.3	-	-	-	17.7	**	100.1
WINNIPEG	-	19.9	4.4	12.1	-	-	-	6.6	11.0	54.1
I.R. & U.T.	-	-	21.6	28.8	-	-	-	21.6	21.6	93.5
MANITOBA TOTAL	-	17.2	5.9	14.8	-	-	-	7.1	9.5	54.6
OTHER	-	67.7	-	**	-	-	-	-	**	135.4

TOTAL	-	18.9	5.7	15.5	-	-	-	6.9	10.3	57.3
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SOURCE: Manitoba Vital Statistics registrations.

* For this table neonatal deaths are defined as infant deaths under 28 days of age, per 10,000 live births.
 ** Not calculated due to low incidence.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Sudden Infant Death (798.0); Other Perinatal Causes (760, 761, 762).

(2) Other causes include deaths from all causes not listed above. For example, deaths from injuries and infections would be coded here.

POST-NEONATAL DEATHS*
BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	SUDDEN BIRTH INJURY	GASTRO- INTESTINAL	INFANT DEATH	OTHER(2) CAUSES	REGIONAL TOTAL
CENTRAL	-	1	-	1	-	-	-	-	2
EASTMAN	-	-	-	1	-	-	1	1	3
INTERLAKE	1	-	-	-	-	-	-	-	1
NORMAN	-	-	-	-	-	-	1	-	1
PARKLAND	-	-	-	-	-	-	-	-	-
THOMPSON	-	-	-	-	-	-	2	-	2
WESTMAN	-	1	-	1	-	-	-	-	2
WINNIPEG	1	1	-	7	-	-	4	9	22
I.R. & U.T.	1	1	-	2	-	-	2	6	12
MANITOBA TOTAL	3	4	-	12	-	-	10	16	45
OTHER	-	-	-	1	-	-	1	4	6
TOTAL	3	4	-	13	-	-	11	20	51

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Sudden Infant Death (798.0).

(2) Other causes include deaths from all causes not listed above. For example, deaths from injuries, infections and ill-defined symptoms would be coded here.

IV-10B
POST-NEONATAL DEATH RATES*
BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SUDDEN INFANT DEATH	OTHER(2) CAUSES	REGIONAL TOTAL
CENTRAL	-	**	-	**	-	-	-	-	**
EASTMAN	-	-	-	**	-	-	**	**	26.8
INTERLAKE	**	-	-	-	-	-	-	-	**
NORMAN	-	-	-	-	-	-	**	-	**
PARKLAND	-	-	-	-	-	-	-	-	-
THOMPSON	-	-	-	-	-	-	**	-	**
WESTMAN	-	**	-	**	-	-	-	-	**
WINNIPEG	**	**	-	7.7	-	-	4.4	9.9	24.3
I.R. & U.T.	**	**	-	**	-	-	**	43.2	86.3
MANITOBA TOTAL	1.8	2.4	-	7.1	-	-	5.9	9.5	26.7
OTHER	-	-	-	**	-	-	**	67.7	101.5

TOTAL	1.7	2.3	-	7.5	-	-	6.3	11.5	29.2
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SOURCE: Manitoba Vital Statistics registrations.

* For this table, post-neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 10,000 live births.
 ** Not calculated due to low incidence.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Sudden Infant Death (798.0).

(2) Other causes include deaths from all causes not listed above. For example, deaths from injuries, infections and ill-defined symptoms would be coded here.

V-1A
FEMALES BETWEEN 15-49 YEARS OF AGE
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
FT. GARRY	12,696	12,863	13,370	13,680	14,055
EAST & NORTH KILDONAN	18,408	18,690	18,742	18,805	18,727
OLD & WEST KILDONAN	11,381	11,667	12,059	12,319	12,445
ST. BONIFACE	11,771	11,816	11,737	11,798	11,859
ST. JAMES	22,503	22,800	23,016	23,088	22,974
EAST & WEST ST. PAUL	1,486	1,507	1,540	1,616	1,666
ST. VITAL	13,553	14,047	14,558	15,039	15,423
TRANSCONA	7,804	7,959	8,147	8,474	8,941
INNER CITY*	63,357	64,037	64,702	64,710	64,715
WINNIPEG TOTAL	162,959	165,383	167,871	169,529	170,805

SOURCE: Manitoba Health Services Commission population records (June 1).

* Winnipeg, Inner City, includes Charleswood and Tuxedo.

V-1B
GENERAL FERTILITY RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
FT. GARRY	51.5	52.4	50.9	53.0	48.1
EAST & NORTH KILDONAN	51.6	54.8	51.6	49.2	47.6
OLD & WEST KILDONAN	46.4	51.3	48.8	45.3	48.5
ST. BONIFACE	44.2	42.4	41.6	46.3	43.7
ST. JAMES	34.9	33.1	35.6	34.7	34.6
EAST & WEST ST. PAUL	47.8	27.9	41.6	43.9	86.4
ST. VITAL	58.1	57.5	57.6	53.0	54.6
TRANSCONA	40.5	44.7	50.7	54.4	48.2
INNER CITY**	60.4	60.3	62.1	63.0	64.2
WINNIPEG TOTAL	52.5	51.8	52.9	52.9	53.0

SOURCE: (1) Manitoba Health Services Commission population records (June 1).
(2) December 1 preliminary MHSC population records.

* General fertility rate is defined as number of live births per 1,000 females between ages 15-49.

** Winnipeg, Inner City, includes Charleswood and Tuxedo.

V-1C
LIVE BIRTHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	633	631	608	657	698
FT. GARRY	654	674	681	725	676
EAST & NORTH KILDONAN	1,008	970	967	926	891
OLD & WEST KILDONAN	528	598	588	558	604
ST. BONIFACE	520	501	488	546	518
ST. JAMES	785	755	819	800	795
EAST & WEST ST. PAUL	71	42	64	71	144
ST. VITAL	788	808	838	797	842
TRANSCONA	316	356	413	461	431
INNER CITY	3,253	3,231	3,409	3,419	3,458

WINNIPEG TOTAL	8,556	8,566	8,875	8,960	9,057
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SOURCE: Manitoba Vital Statistics registrations.

* Live births are defined as infants born alive, excluding stillbirths.

V-1D
TOTAL BIRTHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	635	638	612	659	703
FT. GARRY	659	674	684	728	680
EAST & NORTH KILDONAN	1,011	973	972	932	897
OLD & WEST KILDONAN	530	605	592	558	612
ST. BONIFACE	523	505	489	548	520
ST. JAMES	791	765	823	803	800
EAST & WEST ST. PAUL	71	42	64	71	145
ST. VITAL	795	810	843	800	845
TRANSCONA	322	357	414	462	431
INNER CITY	3,277	3,262	3,441	3,442	3,482

WINNIPEG TOTAL	8,614	8,631	8,934	9,003	9,115
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SOURCE: Manitoba Vital Statistics registrations.

* Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-2A
INFANT DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	5	2	7	6	2
FT. GARRY	7	3	5	6	4
EAST & NORTH KILDONAN	6	4	8	8	7
OLD & WEST KILDONAN	4	4	2	6	3
ST. BONIFACE	7	4	5	9	2
ST. JAMES	9	-	3	3	7
EAST & WEST ST. PAUL	1	-	-	1	2
ST. VITAL	8	12	9	8	4
TRANSCONA	3	1	1	1	9
INNER CITY	31	35	36	31	31
WINNIPEG TOTAL	81	65	76	79	71

SOURCE: Manitoba Vital Statistics registrations.

* Infant deaths are defined as deaths under 1 year of age excluding stillbirths.

V-2B
INFANT DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	7.9	**	11.5	9.1	**
FT. GARRY	10.7	4.5	7.3	8.3	5.9
EAST & NORTH KILDONAN	6.0	4.1	8.3	8.6	7.9
OLD & WEST KILDONAN	7.6	6.7	**	10.8	5.0
ST. BONIFACE	13.5	8.0	10.2	16.5	**
ST. JAMES	11.5	-	3.7	3.8	8.8
EAST & WEST ST. PAUL	**	-	-	**	**
ST. VITAL	10.2	14.9	10.7	10.0	4.8
TRANSCONA	9.5	**	**	**	20.9
INNER CITY	9.5	10.8	10.6	9.1	9.0
WINNIPEG TOTAL	9.5	7.6	8.6	8.8	7.8

SOURCE: Manitoba Vital Statistics registrations.

* Infant death rate is defined as number of deaths under 1 year of age, excluding stillbirths, per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-3A
NEWBORN DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	1	2	5	3	2
FT. GARRY	6	2	4	5	2
EAST & NORTH KILDONAN	5	4	7	3	2
OLD & WEST KILDONAN	2	3	1	4	1
ST. BONIFACE	5	2	-	7	2
ST. JAMES	6	-	2	2	2
EAST & WEST ST. PAUL	-	-	-	1	1
ST. VITAL	5	7	7	7	2
TRANSCONA	2	1	-	-	7
INNER CITY	17	10	17	16	16
WINNIPEG TOTAL	49	31	43	48	37

SOURCE: Manitoba Vital Statistics registrations.

* Newborn deaths are defined as infant deaths from birth to less than 7 days of age.

V-3B
NEWBORN DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	**	**	8.2	4.6	**
FT. GARRY	9.2	**	5.9	6.9	**
EAST & NORTH KILDONAN	5.0	4.1	7.2	3.2	**
OLD & WEST KILDONAN	**	5.0	**	7.2	**
ST. BONIFACE	9.6	**	-	12.8	**
ST. JAMES	7.6	-	**	**	**
EAST & WEST ST. PAUL	-	-	-	**	**
ST. VITAL	6.3	8.7	8.4	8.8	**
TRANSCONA	**	**	-	-	16.2
INNER CITY	5.2	3.1	5.0	4.7	4.6
WINNIPEG TOTAL	5.7	3.6	4.8	5.4	4.1

SOURCE: Manitoba Vital Statistics registrations.

* Newborn death rate is defined as the number of infant deaths from birth to less than 7 days of age per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4A
PERINATAL DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	3	9	9	5	7
FT. GARRY	11	2	7	8	6
EAST & NORTH KILDONAN	8	7	12	9	8
OLD & WEST KILDONAN	4	10	5	4	9
ST. BONIFACE	8	6	1	9	4
ST. JAMES	12	10	6	5	7
EAST & WEST ST. PAUL	-	-	-	1	2
ST. VITAL	12	9	12	10	5
TRANSCONA	8	2	1	1	7
INNER CITY	41	41	49	39	40
WINNIPEG TOTAL	107	96	102	91	95

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

V-4B
PERINATAL DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	4.7	14.1	14.7	7.6	10.0
FT. GARRY	16.7	**	10.2	11.0	8.8
EAST & NORTH KILDONAN	7.9	7.2	12.3	9.7	8.9
OLD & WEST KILDONAN	7.5	16.5	8.4	7.2	14.7
ST. BONIFACE	15.3	11.9	**	16.4	4.9
ST. JAMES	15.2	13.1	7.3	6.2	8.8
EAST & WEST ST. PAUL	-	-	-	**	**
ST. VITAL	15.1	11.1	14.2	12.5	5.9
TRANSCONA	24.8	**	**	**	16.2
INNER CITY	12.5	12.6	14.2	11.3	11.5
WINNIPEG TOTAL	12.4	11.1	11.4	10.1	10.4

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate areas within Winnipeg.

V-4C
PERINATAL DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	2	7	7	4	6
FT. GARRY	10	2	5	5	5
EAST & NORTH KILDONAN	8	7	12	5	7
OLD & WEST KILDONAN	3	8	5	4	7
ST. BONIFACE	7	6	1	8	3
ST. JAMES	11	6	6	5	5
EAST & WEST ST. PAUL	-	-	-	1	2
ST. VITAL	9	9	12	10	4
TRANSCONA	7	2	-	1	7
INNER CITY	36	28	34	28	27
WINNIPEG TOTAL	93	75	82	71	73

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

V-4D
PERINATAL DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	**	11.0	11.5	6.1	8.5
FT. GARRY	15.2	**	7.3	6.9	7.4
EAST & NORTH KILDONAN	7.9	7.2	12.3	5.4	7.8
OLD & WEST KILDONAN	5.7	13.2	8.4	7.2	11.4
ST. BONIFACE	13.4	11.9	**	14.6	3.7
ST. JAMES	13.9	7.8	7.3	6.2	6.3
EAST & WEST ST. PAUL	-	-	-	**	**
ST. VITAL	11.3	11.1	14.3	12.5	4.7
TRANSCONA	21.7	**	-	**	16.2
INNER CITY	11.0	8.6	9.9	8.2	7.8
WINNIPEG TOTAL	10.8	8.7	9.2	7.9	8.0

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 28 or more weeks gestation.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4E
STILLBIRTHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	2	7	4	2	5
FT. GARRY	5	-	3	3	4
EAST & NORTH KILDONAN	3	3	5	6	6
OLD & WEST KILDONAN	2	7	4	-	8
ST. BONIFACE	3	4	1	2	2
ST. JAMES	6	10	4	3	5
EAST & WEST ST. PAUL	-	-	-	-	1
ST. VITAL	7	2	5	3	3
TRANSCONA	6	1	1	1	-
INNER CITY	24	31	32	23	24
WINNIPEG TOTAL	58	65	59	43	58

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

V-4F
STILLBIRTH RATIO*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	**	11.1	6.6	**	7.2
FT. GARRY	7.6	-	4.4	4.1	5.9
EAST & NORTH KILDONAN	3.0	3.1	5.2	6.5	6.7
OLD & WEST KILDONAN	**	11.7	6.8	-	13.2
ST. BONIFACE	5.8	8.0	**	**	**
ST. JAMES	7.6	13.2	4.9	3.8	6.3
EAST & WEST ST. PAUL	-	-	-	-	**
ST. VITAL	8.9	**	6.0	3.8	3.6
TRANSCONA	19.0	**	**	**	-
INNER CITY	7.4	9.6	9.4	6.7	6.9
WINNIPEG TOTAL	6.8	7.6	6.6	4.8	6.4

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirth ratio is defined as fetal deaths of 20 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4G
STILLBIRTHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	1	5	2	1	4
FT. GARRY	4	-	1	-	3
EAST & NORTH KILDONAN	3	3	5	2	5
OLD & WEST KILDONAN	1	5	4	-	6
ST. BONIFACE	2	4	1	1	1
ST. JAMES	5	6	4	3	3
EAST & WEST ST. PAUL	-	-	-	-	1
ST. VITAL	4	2	5	3	2
TRANSCONA	5	1	-	1	-
INNER CITY	19	18	17	12	11
WINNIPEG TOTAL	44	44	39	23	36

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 28 or more weeks gestation.

V-4H
STILLBIRTH RATIO*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	**	7.9	**	**	5.7
FT. GARRY	6.1	-	**	-	4.4
EAST & NORTH KILDONAN	3.0	3.1	5.2	**	5.6
OLD & WEST KILDONAN	**	8.4	6.8	-	9.9
ST. BONIFACE	**	8.0	**	**	**
ST. JAMES	6.4	7.9	4.9	3.8	3.8
EAST & WEST ST. PAUL	-	-	-	-	**
ST. VITAL	5.1	**	6.0	3.8	**
TRANSCONA	15.8	**	-	**	-
INNER CITY	5.8	5.6	5.0	3.5	3.2
WINNIPEG TOTAL	5.1	5.1	4.4	2.6	4.0

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirth ratio is defined as fetal deaths of 28 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-5A
NEONATAL DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	2	2	6	4	2
FT. GARRY	6	2	4	6	4
EAST & NORTH KILDONAN	5	4	7	4	4
OLD & WEST KILDONAN	2	4	1	4	1
ST. BONIFACE	6	2	1	8	2
ST. JAMES	6	-	2	2	3
EAST & WEST ST. PAUL	-	-	-	1	1
ST. VITAL	5	7	8	8	3
TRANSCONA	2	1	-	-	7
INNER CITY	22	16	25	20	22
WINNIPEG TOTAL	56	38	54	57	49

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

V-5B
NEONATAL DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	1983	1984	1985	1986	1987
CHARLESWOOD-TUXEDO	**	**	10.0	6.1	**
FT. GARRY	9.2	**	5.9	8.3	5.9
EAST & NORTH KILDONAN	5.0	4.1	7.2	4.3	4.5
OLD & WEST KILDONAN	**	6.7	**	7.2	**
ST. BONIFACE	11.5	**	**	14.7	**
ST. JAMES	7.6	-	**	**	3.8
EAST & WEST ST. PAUL	-	-	-	**	**
ST. VITAL	6.3	8.7	9.5	10.0	3.6
TRANSCONA	**	**	-	-	16.2
INNER CITY	6.8	5.0	7.3	5.8	6.4
WINNIPEG TOTAL	6.5	4.4	6.1	6.4	5.4

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal death rate is defined as infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.
 ** Not calculated due to low incidence.

NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-6A
POST-NEONATAL DEATHS*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
CHARLESWOOD-TUXEDO	3	-	1	2	-
FT. GARRY	1	1	1	-	-
EAST & NORTH KILDONAN	1	-	1	4	3
OLD & WEST KILDONAN	2	-	1	2	2
ST. BONIFACE	1	2	4	1	-
ST. JAMES	3	-	1	1	4
EAST & WEST ST. PAUL	1	-	-	-	1
ST. VITAL	3	5	1	-	1
TRANSCONA	1	-	1	1	2
INNER CITY	9	19	11	11	9
WINNIPEG TOTAL	25	27	22	22	22

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

V-6B
POST-NEONATAL DEATH RATES*
WINNIPEG REGION 1983-1987

WINNIPEG REGION	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
CHARLESWOOD-TUXEDO	4.7	-	**	**	-
FT. GARRY	**	**	**	-	-
EAST & NORTH KILDONAN	**	-	**	4.3	3.4
OLD & WEST KILDONAN	**	-	**	**	**
ST. BONIFACE	**	**	8.2	**	-
ST. JAMES	3.8	-	**	**	5.0
EAST & WEST ST. PAUL	**	-	-	-	**
ST. VITAL	3.8	6.2	**	-	**
TRANSCONA	**	-	**	**	**
INNER CITY	2.8	5.9	3.2	3.2	2.6
WINNIPEG TOTAL	2.9	3.2	2.5	2.5	2.4

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-7
POST-NEONATAL DEATHS* BY CAUSE(1)
AND WINNIPEG AREA 1987

	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SUDDEN INFANT DEATH	OTHER(2) CAUSES	TOTAL
CHARLESWOOD- TUXEDO	-	-	-	-	-	-	-	-
FT. GARRY	-	-	-	-	-	-	-	-
EAST & NORTH KILDONAN	-	-	1	-	-	2	-	3
OLD & WEST KILDONAN	-	-	1	-	-	-	1	2
ST. BONIFACE	-	-	-	-	-	-	-	-
ST. JAMES	-	1	1	-	-	1	1	4
EAST & WEST ST. PAUL	-	-	-	-	-	-	1	1
ST. VITAL	-	-	1	-	-	-	-	1
TRANSCONA	-	-	-	-	-	-	2	2
INNER CITY	1	-	3	-	-	1	4	9
TOTAL	1	1	7	-	-	4	9	22

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Sudden Infant Death (798.0).

(2) Other causes include death from all causes not listed above. For example, death from injuries, infections and ill-defined symptoms would be coded here.

V-8A
DEATHS UNDER 1 YEAR OF AGE BY WINNIPEG AREAS AND BY
SELECTED AGES 1987

	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 MONTHS TO LESS THAN 6 MONTHS	6 MONTHS TO LESS THAN 12 MONTHS
CHARLESWOOD- TUXEDO	2	-	-	-	-	-	-	-
FT. GARRY	2	-	-	2	-	-	-	-
EAST & NORTH KILDONAN	-	1	1	2	-	2	1	1
OLD & WEST KILDONAN	1	-	-	-	-	1	1	1
ST. BONIFACE	1	1	-	-	-	-	-	-
ST. JAMES	-	2	-	-	1	-	3	-
EAST & WEST ST. PAUL	-	-	1	-	-	1	-	-
ST. VITAL	2	-	-	1	-	-	1	-
TRANSCONA	6	-	1	-	-	1	-	-
INNER CITY	10	6	-	4	2	6	2	1
WINNIPEG TOTAL	24	10	3	9	3	8	7	7

SOURCE: Manitoba Vital Statistics registrations.

V-8B
DEATH RATES* UNDER 1 YEAR OF AGE BY WINNIPEG AREAS AND BY
SELECTED AGES 1987

	LESS THAN 1 DAY	1 TO 3 DAYS	3 TO 7 DAYS LESS THAN 7 DAYS	7 TO 15 DAYS LESS THAN 15 DAYS	15 TO 28 DAYS LESS THAN 28 DAYS	28 DAYS TO 3 MONTHS LESS THAN 3 MONTHS	3 MONTHS TO 6 MONTHS LESS THAN 6 MONTHS	6 MONTHS TO 12 MONTHS LESS THAN 12 MONTHS
CHARLESWOOD- TUXEDO	**	-	-	-	-	-	-	-
FT. GARRY	**	-	-	**	-	-	-	-
EAST & NORTH KILDONAN	-	**	**	**	-	-	**	**
OLD & WEST KILDONAN	**	-	-	-	-	-	**	**
ST. BONIFACE	**	**	-	-	-	-	-	-
ST. JAMES	-	**	-	-	**	**	-	3.8
EAST & WEST ST. PAUL	-	-	**	-	-	-	**	-
ST. VITAL	**	-	-	**	-	-	-	**
TRANSCONA	13.9	-	**	-	-	**	**	-
INNER CITY	2.9	1.7	-	1.2	**	1.7	**	**
WINNIPEG TOTAL	2.6	1.1	0.3	1.0	0.3	0.9	0.8	0.8

SOURCE: Manitoba Vital Statistics registrations.

* All rates are defined as the number per 1,000 live births.
** Not calculated due to low incidence.

VI-1

SELECTED VITAL STATISTICS RATES(1) BY MANITOBA HEALTH & COMMUNITY SERVICE REGION

OF RESIDENCE 1987

VITAL STATISTICS	POPULATION	LIVE BIRTH RATE (2)	STILLBIRTH RATIO (3)	FIRST DAY DEATH RATE	NEWBORN DEATH RATE	PERINATAL		POST- NEONATAL		INFANT DEATH RATE
						DEATH RATE (4)	NEONATAL DEATH RATE	NEONATAL DEATH RATE	DEATH RATE	
CENTRAL	91,115	16.5	6.6	-	-	6.6	-	**	**	**
EASTMAN	74,658	15.0	-	3.6	3.6	3.6	4.5	2.7	7.1	7.1
INTERLAKE	64,981	12.6	8.6	3.7	4.9	13.4	4.9	**	**	6.1
NORMAN	20,242	16.1	9.2	**	**	12.2	**	**	**	**
PARKLAND	43,176	11.9	7.8	**	5.8	13.5	5.8	-	5.8	5.8
THOMPSON	20,027	20.8	9.6	-	-	9.5	-	**	**	**
WESTMAN	117,515	14.5	6.5	7.1	8.8	15.2	10.0	**	**	11.2
WINNIPEG	625,342	14.5	6.5	2.6	4.1	10.5	5.4	2.4	7.8	7.8
I.R. & U.T.	64,072	21.7	12.2	6.5	8.6	20.6	9.4	8.6	18.0	18.0
MANITOBA TOTAL	1,121,128	15.0	6.8	3.2	4.5	11.3	5.5	2.7	8.1	8.1

SOURCE: Manitoba Health Services Commission population records.
Manitoba Vital Statistics registrations.

** Not calculated due to low incidence.

- (1) Unless otherwise indicated rates are per 1,000 live births.
- (2) Live birth rate is defined as the number of live births per 1,000 population.
- (3) Stillbirths are defined as fetal deaths of 20 or more weeks gestation.
- (4) Perinatal death rate is defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births.

VI-2A
SELECTED VITAL STATISTICS* BY INFANT WEIGHT AT BIRTH 1987

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATIO	NEWBORN DEATH RATE	PERINATAL DEATH RATE
<u>WT. GRAMS</u>								
< 1500	40	36	76	187	227	213.9	192.5	334.8
1500 - 1999	10	6	16	189	199	52.9	31.7	80.4
2000 - 2499	6	5	11	582	588	10.3	8.6	18.7
2500 - 2999	7	5	12	2254	2261	3.1	2.2	5.3
3000 - 3499	11	6	17	5855	5866	1.9	1.0	2.9
3500+	10	7	17	7760	7770	1.3	0.9	2.2
TOTAL	115 (1)	76 (2)	191 (3)	16,847 (4)	16,962 (5)	6.8	4.5	11.3

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.

- (1) Includes 31 missing observations.
- (2) Includes 11 missing observations.
- (3) Includes 42 missing observations.
- (4) Includes 20 missing observations.
- (5) Includes 51 missing observations.

VI-2B
SELECTED VITAL STATISTICS* BY PARITY 1987

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATIO	NEWBORN DEATH RATE	PERINATAL DEATH RATE
<u>PARITY</u>								
1	48	29	77	6569	6617	7.3	4.4	11.6
2	28	22	50	5680	5708	4.9	3.9	8.9
3	20	10	30	2750	2770	7.3	3.6	11.2
4	10	9	19	968	978	10.3	9.3	19.4
5	3	2	5	346	349	8.7	**	14.3
6	3	1	4	157	160	19.1	**	25.0
7	1	-	1	87	88	**	-	**
8+	-	1	1	84	84	-	**	**
TOTAL	113	76 (1)	189 (1)	16,664 (2)	16,777 (2)	6.8	4.6	11.4

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.

** Not calculated due to low incidence.

(1) Includes 2 missing observations.

(2) Includes 23 missing observations. Also, some mothers experienced multiple births with more than 1 newborn death.

NOTE: The number of women delivering is used to calculate stillbirths, livebirths, total births, and stillbirth ratio, regardless of the number of infants born to each woman. Newborn deaths, perinatal deaths, newborn death rates and perinatal death rates are calculated based on the total number of infants delivered.

VI-2C
SELECTED VITAL STATISTICS* BY MOTHER'S AGE 1987

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATIO	NEWBORN DEATH RATE	PERINATAL DEATH RATE
AGE								
< 15	2	1	3	25	27	**	**	111.1
15 - 16	3	-	3	233	236	12.9	-	12.7
17	5	-	5	308	313	16.2	-	16.0
18 - 19	4	3	7	962	966	4.2	3.1	7.3
20 - 24	26	15	41	4345	4371	6.0	3.5	9.4
25 - 29	36	26	62	6063	6099	5.9	4.3	10.2
30 - 34	22	21	43	3571	3593	6.2	5.9	12.0
35 - 39	12	3	15	1017	1029	11.8	2.9	14.5
40 - 44	3	5	8	129	132	22.7	38.8	60.6
45 - 49	-	-	-	8	8	-	-	-

TOTAL	113	76 (1)	189 (1)	16,664 (2)	16,777 (2)	6.8	4.6	11.3
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SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.

** Not calculated due to low incidence.

- (1) 2 missing values included in total.
(2) 3 missing values included in total.

NOTE: The number of women delivering is used to calculate stillbirths, livebirths, total births, and stillbirth ratio, regardless of the number of infants born to each woman. Newborn deaths, perinatal deaths, newborn death rates and perinatal death rates are calculated based on the total number of infants delivered.

VI-3A
PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY BIRTH WEIGHT(1) AND
MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

WEIGHT (gm)	LESS THAN 1500	1500 TO LESS THAN 2000	2000 TO LESS THAN 2500	2500 TO LESS THAN 3000	3000 TO LESS THAN 3500	3500+	TOTAL LIVE BIRTHS	MEAN WEIGHT (gm)
CENTRAL	0.5	1.3	2.7	11.0	34.4	50.1	1,507	3,473
EASTMAN	1.2	0.9	3.0	12.8	31.6	50.5	1,118	3,455
INTERLAKE	1.0	1.5	3.6	11.4	33.8	48.8	814	3,451
NORMAN	0.3	2.1	3.7	10.7	32.2	50.9	326	3,455
PARKLAND	1.0	0.4	1.8	9.9	36.6	50.3	513	3,498
THOMPSON	0.5	0.2	2.6	12.5	31.2	53.0	417	3,538
WESTMAN	1.4	0.7	3.0	13.1	34.1	47.7	1,697	3,434
WINNIPEG	1.3	1.2	3.9	14.4	35.9	43.2	9,050	3,376
I.R. & U.T.	0.9	1.4	2.8	13.4	32.9	48.7	1,385	3,444
MANITOBA TOTAL	1.1	1.1	3.5	13.4	34.8	46.1	16,827 (2)	3,413

SOURCE: Manitoba Vital Statistics registrations.

- (1) Data are for Manitoba residents only.
(2) 20 missing cases.

VI-3B
PERCENTAGE DISTRIBUTION OF MOTHERS BY PARITY(1) AND MANITOBA HEALTH & COMMUNITY SERVICES
REGION 1987

PARITY	1	2	3	4	5	6	7	8+	TOTAL NO. MOTHERS
CENTRAL	31.2	35.3	18.8	7.1	3.5	1.6	1.5	1.0	1,562
EASTMAN	31.6	31.7	20.3	8.4	3.9	1.7	0.9	1.4	1,504
INTERLAKE	37.3	34.0	17.7	7.4	1.9	0.8	0.5	0.3	874
NORMAN	40.4	33.3	15.8	5.7	1.8	1.8	**	0.9	456
PARKLAND	33.4	31.7	20.8	8.9	2.9	1.6	**	**	619
THOMPSON	32.9	28.6	21.1	7.7	4.3	2.7	1.2	1.6	935
WESTMAN	37.3	34.4	18.1	6.2	2.3	0.7	0.6	0.4	1,731
WINNIPEG	43.9	35.1	14.3	4.5	1.2	0.5	0.2	0.2	8,960
MANITOBA TOTAL	39.5	34.1	16.5	5.8	2.1	0.9	0.5	0.6	16,641 (2)

SOURCE: Manitoba Vital Statistics registrations.

** Not calculated due to low incidence.

(1) Data are for Manitoba residents only.

(2) Excludes 23 missing observations.

NOTE: Mothers from Indian Reserves and unorganized territories are distributed to their respective regions.

VI-3C
PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY MOTHER'S AGE(1) AND
MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

AGE	14 OR LESS	15-16	17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL NO. MOTHERS
CENTRAL	**	1.3	1.3	4.6	29.4	37.4	19.9	5.4	0.8	-	1,566
EASTMAN	0.2	1.8	2.9	6.8	29.9	35.2	17.7	4.8	0.7	-	1,504
INTELAKE	0.3	1.5	2.2	6.1	27.1	34.7	22.6	5.1	0.5	-	876
NORMAN	-	3.5	5.5	8.8	36.3	31.5	9.8	3.9	0.7	-	457
PARKLAND	**	1.1	2.3	9.2	30.2	36.5	14.9	4.7	0.5	**	619
THOMPSON	**	4.5	4.3	12.6	37.0	25.6	12.8	2.8	0.3	-	936
WESTMAN	0.2	1.2	1.4	5.0	27.8	40.0	19.1	4.6	0.5	**	1,733
WINNIPEG	0.1	1.0	1.4	4.8	22.5	37.2	24.6	7.4	0.9	0.0	8,970 (2)
MANITOBA TOTAL	0.2	1.4	1.8	5.8	26.1	36.4	21.4	6.1	0.8	0.0	16,661 (2)

SOURCE: Manitoba Vital Statistics registrations.

** Not calculated due to low prevalence.

(1) Data are for Manitoba residents only.

(2) Excludes 3 missing observations.

NOTE: Mothers from Indian Reserves and unorganized territories are distributed to their respective regions.

VI-4
NUMBER OF LIVE BIRTHS AND PERCENTAGE DISTRIBUTION 1987
A. BIRTH WEIGHT BY REGION

WT (gm)	less than 1500		1500 - 2499		2500+		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	115	1.3	463	5.1	8,472	93.6	9,050
OTHER REGIONS	72	0.9	308	4.0	7,397	95.1	7,777
MANITOBA	187	1.1	771	4.6	15,869	94.2	16,847 ⁽¹⁾

(1) Includes 20 missing observations - not categorized by weight.

NOTE: The weight categories have been changed from previous reports to reflect the definition of low birth weight (2500 gm) and very low birth weight (1500 gm).

B. PARITY* BY REGION

PARITY	1		2 - 4		5+		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	3,937	43.9	4,834	54.0	189	2.1	8,960
OTHER REGIONS	2,632	34.3	4,564	59.4	485	6.3	7,681
MANITOBA	6,569	39.4	9,398	56.4	674	4.0	16,664 ⁽¹⁾

* Parity is defined as the total number of births, current and previous, and live and still, by an individual mother.

(1) Includes 23 missing observations.

C. MOTHER'S AGE BY REGION

AGE	less than 20 Yrs.		20 - 34 Yrs.		35+ Yrs.		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	653	7.3	7,565	84.3	752	8.4	8,970
OTHER REGIONS	875	11.4	6,414	83.4	402	5.2	7,691
MANITOBA	1,528	9.2	13,979	83.9	1,154	6.9	16,664 ⁽¹⁾

(1) Includes 3 missing observations.

SOURCE: Manitoba Vital Statistics registrations.

NOTE: Totals do not agree between parts B and C because of missing data.

VI-5A

DEATHS(1) UNDER ONE YEAR OF AGE BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

AGE	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	-	-	-	-	-	2	-	-
EASTMAN	4	-	-	-	1	1	1	1
INTERLAKE	3	1	-	-	-	1	-	-
NORMAN	1	-	-	-	-	1	-	-
PARKLAND	1	1	1	-	-	-	-	-
THOMPSON	-	-	-	-	-	2	-	-
WESTMAN	12	2	1	1	1	-	1	1
WINNIPEG	24	10	3	9	3	8	7	7
I.R. & U.T.	9	1	2	1	-	6	4	2
MANITOBA TOTAL	54	15	7	11	5	21	13	11

SOURCE: Manitoba Vital Statistics registrations.

(1) Manitoba residents only.

VI-5B

DEATH RATES* UNDER ONE YEAR OF AGE BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1987

AGE	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	-	-	-	-	-	**	-	-
EASTMAN	3.6	-	-	-	**	**	**	**
INTERLAKE	3.7	**	-	-	-	**	-	-
NORMAN	**	-	-	-	-	**	-	-
PARKLAND	**	**	**	-	-	-	-	-
THOMPSON	-	-	-	-	-	**	-	-
WESTMAN	7.1	**	**	**	**	-	**	**
WINNIPEG	2.6	1.1	0.3	1.0	0.3	0.9	0.8	0.8
I.R. & U.T	6.5	**	**	**	-	4.3	2.9	**
MANITOBA TOTAL	3.2	0.9	0.4	0.7	0.3	1.2	0.8	0.7

SOURCE: Manitoba Vital Statistics registrations.

* All rates are defined as the number per 1,000 live births.

** Not calculated due to low incidence.